

WHAT IS CLAIMED IS:

1. A shaft sealing device, comprising:

a shaft tube having a first end on which provided with a rotary ring, and
a second end;

5 a main body provided with an axial hole;

a fixed sealing ring being inserted in the axial hole of the main body and
adapted to confront with the rotary ring;

a positioning ring being inserted in the axial hole of the main body and
mounted to the main body, the positioning ring provided with at least one
10 positioning hole and at least one elastic member inserted thereinto; and

a retaining ring being inserted in the axial hole of the main body, the
retaining ring having a first sidewall and a second sidewall;

wherein the fixed sealing ring, the retaining ring and the positioning
ring are disposed on the shaft tube in loose fit manner to allow for rotation
15 of the shaft tube; and

wherein the retaining ring is located between the fixed sealing ring and
the positioning ring after assembling, and the first side wall of the retaining
ring connected with the fixed sealing ring to limit rotation while the second
side wall of the retaining ring being biased by the elastic member of the
20 positioning ring.

2. The shaft sealing device as defined in Claim 1, wherein the first end of the shaft tube formed with an outer flange for mounting the rotary ring.

3. The shaft sealing device as defined in Claim 1, wherein the second end of the shaft tube is mechanically connected with a stop ring for limiting axial movement.

4. The shaft sealing device as defined in Claim 1, wherein the main body includes a plurality of passages connected an outer peripheral surface to the axial hole.

5. The shaft sealing device as defined in Claim 1, wherein the first sidewall of the retaining ring includes at least one first engaging member projected therefrom; the first engaging member is engaged with an engaging notch of the fixed sealing ring.

6. The shaft sealing device as defined in Claim 1, wherein the second sidewall of the retaining ring includes at least one second engaging member projected therefrom; the second engaging member is engaged with an engaging groove of the positioning ring.

7. The shaft sealing device as defined in Claim 1, wherein the first sidewall of the retaining ring includes at least one first engaging member; the second sidewall of the retaining ring includes at least one second engaging member; and the first engaging member is longitudinally aligned

with the corresponding second engaging member so as to simplify the entire structure of the retaining ring.

8. The shaft sealing device as defined in Claim 1, wherein the fixed sealing ring includes an outer ring on its outer circumference to increase its sealing effect.